

“Version with Markings to show Changes Made”

Claim 1 (Amended): A microtome for the production of tissue sections in histology, in which an object to be sectioned is passed past a stationary knife for production of [said] tissue sections, comprising:

a disk-shaped knife [(3)], which has the shape of a regular polygon, with edges that comprise cutting edges [(4)], and

a knife holder [(1)] with a knife receiver [(2)] for arresting and positioning said disk-shaped knife [(3)],

wherein said knife is received in said knife receiver [(2)] is constructed for reception of said knife (3)], and,

wherein said knife receiver [(2)] has a shaft [(5) by] about which said knife [(3)] is rotatable [such that said cutting edges (4) are positionable for cutting an object] and,
whereby by rotation of said knife about said shaft various ones of said of cutting edges
can be brought into a position to cut said object.

Claim 2 (Amended): The microtome according to Claim 1, wherein said knife holder [(1)] has a depression [(6) for reception of said knife (3)] in which said knife is received and for protection of said cutting edges [(4)], with an opening [(7)] that serves for working use of one of said cutting edges [(4)].

Claim 3 (Amended): The microtome according to Claim 1, wherein said knife receiver [(2)] comprises a rotatable mounting [(8) for] that mounts said knife [(3)] in said knife receiver.

Claim 4 (Amended): The microtome according to Claim 3, wherein said rotatable mounting [(8)] has a positioning element [(9)] for holding said knife [(3)] in position, by which

positioning element [(9)] said cutting edges [(4)] of said knife [(3)] come into a defined position relative to said mounting [(8)].

Claim 5 (Amended): The microtome according to Claim 4, wherein said knife holder [(1)] has a detent [(10)] for said [rotatable mounting (8)] shaft that latches said rotatable mounting when one of said cutting edges [(4)] is situated in a cutting position.

Claim 6 (Amended): The microtome according to Claim 3, wherein said knife receiver [(2)] has a plane surface [(11) arranged such that said knife (3) is positionable] wherein the knife is positioned between said plane surface and said rotatable mounting [(8)].

Claim 7 (Amended): The microtome according to Claim 1, further comprising a numbering arrangement [(12)] assigned to said cutting edges [(4)] of said knife [(3)].

Claim 8 (Amended): The microtome according to Claim 1, further comprising a releasable stop [(13)] for [rotation of said knife (3) for location of] fixing said knife [(3)] in cutting positions.

Claim 9 (Amended): The microtome according to Claim 1, wherein said knife holder comprises a knife holder housing [(14)] that is chamfered left and right of a location [(15)] for said cutting edge [(4)] when said cutting edge is in a position for use.

Claim 10 (Amended): The microtome according to Claim 1, wherein said knife holder comprises a knife holder housing [(14)] that is rounded off left and right of a location [(15)] for said cutting edge [(4)] when said cutting edge is in a position for use.

Claim 11 (Amended): A microtome for production of tissue sections in histology, in which an object to be sectioned is passed past a stationary knife for production of said tissue sections, wherein said knife is disk-shaped in [the] a shape of a regular polygon, and said knife has edges that are cutting edges [(4)].

Claim 12 (Amended): The microtome according to Claim 11, wherein said knife has a bore [(17)] in its middle for reception of [a knife holder (1)] said knife in a knife receiver [(2)].

Claim 13 (Amended): The microtome according to Claim 11, wherein said knife has an engagement for a positioning element [(9)] of a knife receiver [(2)].

Claim 14: The microtome according to Claim 11, wherein said knife comprises an octagon shape.